

AMENDMENTS TO THE CLAIMS

The following listing of claims replaces all prior listings and versions of claims in this application.

Claims 1 to 14. (Cancelled)

15. (Currently Amended) The A lipophilic conjugate comprising a peptide coupled to a fatty acid, the peptide or a salt thereof consisting of 2 to 15 amino acid residues having a net positive charge that is equal or greater than +1 comprising at least two positively charged amino acid residues, said peptide after conjugation to the fatty acid having at least one activity selected from the group consisting of antibacterial, antifungal, and anticancer activity, wherein the activity after conjugation being higher than prior to conjugation, the peptide prior to conjugation of said fatty acid being devoid of or having very weak antibacterial and antifungal activity,
wherein the lipophilic conjugate is according to claim 4 selected from the group of lipopeptides set forth in SEQ ID NOS: 1 to 38.

Claims 16 to 38. (Cancelled)

39. (Withdrawn, Currently Amended) A method for treating an infection in a subject comprising administering to a subject in need thereof a therapeutically effective amount of a pharmaceutical composition comprising as an active ingredient a lipophilic conjugate according to claim [[1]] 15.

40. (Withdrawn) The method according to claim 39, wherein administering the pharmaceutical composition to the subject is selected from topical, intravenous, intraarterial, intramuscular, intraperitoneal, oral, ophthalmic, nasal, vaginal, rectal, and intralesional administration.

41. (Withdrawn) The method according to claim 40, wherein administering the pharmaceutical composition is by topical administration.

42. (Withdrawn) The method according to claim 39, wherein the infection caused by pathogenic organisms.

43. (Withdrawn) The method according to claim 42, wherein the infection is a bacterial infection.

44. (Withdrawn) The method according to claim 43, wherein the bacterial infection caused by antibiotic-resistant bacteria.

45. (Withdrawn) The method according to claim 44, wherein the antibiotic-resistant bacteria are selected from *Streptococcus pyogenes* and *Staphylococcus aureus*.

46. (Withdrawn) The method according to claim 42, wherein the infection is a fungal infection.

47. (Withdrawn) The method according to claim 39, wherein the infection is selected from acne, fungal infections of the scalp, fungal infections related to traumatic wounds, bacterial infections related to traumatic wounds, poorly healing skin lesions, eye infections, ear infections, and burn wounds.

48. (Withdrawn, Currently Amended) A method for treating cancer in a subject comprising administering to a subject in need thereof a therapeutically effective amount of a pharmaceutical composition comprising as an active ingredient a lipophilic conjugate according to claim [[1]] 15.

49. (Withdrawn) The method according to claim 48, wherein the cancer is selected from the group consisting of solid tumors and non-solid tumors.

50. (Withdrawn) The method according to claim 49, wherein the cancer is selected from the group consisting of skin cancer, breast cancer, colorectal cancer, prostate cancer, brain cancer, head and neck cancer, testicular cancer, ovarian cancer, pancreatic cancer, lung cancer,

liver cancer, kidney cancer, bladder cancer, gastrointestinal cancer, bone cancer, endocrine system cancers, lymphatic system cancers, astrocytoma, pligodendrolioma, menigioma, neuroblastoma, glioblastoma, ependyoma, Schwannoma, neurofibrosarcoma, neuroblastoma, medullablastoma, fibrosarcoma, epidermoid carcinoma, and leukemia.

51. (Withdrawn) The method according to claim 48, wherein administering the pharmaceutical composition to the subject is selected from topical, intravenous, intraarterial, intramuscular, intraperitoneal, oral, ophthalmic, nasal, vaginal, rectal, intralesional administration, administering into the tumor, and administering adjacent to the tumor.

52. (Withdrawn) The method according to claim 51, wherein administering the pharmaceutical composition is into the tumor or adjacent to the tumor.

53. (Withdrawn, Currently Amended) A method for disinfecting an object comprising contacting the object with a disinfecting composition, the composition comprising as an active ingredient a lipophilic conjugate according to claim [[1]] 15.

54. (Withdrawn) The method according to claim 53, wherein the object is selected from the group consisting of tissue culture equipment, tissue culture media, tissue culture incubators, tissue culture hoods, and tissue culture dishes.

55. (Withdrawn) The method according to claim 53, wherein the object is selected from medical and surgical equipment.